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A transmission apparatus comprising means for setting a resource management information path based on \a given network management protocol onto PVC logically set traffic defined in ATM switching so that a customer network management agent process and a user network management system can communicate with each other.

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The transmission apparatus as claimed in claim 1, further comprising means for setting a resource management information path used for resource management for \a cell assembly and disassembly unit.

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The transmission apparatus as claimed in claim 1, further comprising means for setting a resource management information path used for resource management for a cell \assembly and disassembly unit which is accommodated outside of the transmission apparatus as an\external unit.

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The transmission apparatus as claimed in claim 1, further comprising means for setting a

resource management information path used for resource management for a cell assembly and disassembly unit which is directly accommodated in the transmission apparatus.

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5. The transmission apparatus as claimed in claim 1, further comprising a controller which provides, through the resource management information path, information having a format understandable by the customer network management agent process.

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6. The transmission apparatus as claimed in claim 1, further comprising a controller which sends information extracted from the resource management information path to the customer network management agent process via an external interface.

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7. The transmission apparatus as claimed in claim 1, further comprising means for performing 30 a resource management of a facility node in an STM transmission and a resource management of a cell assembly and disassembly unit in an ATM transmission.

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8. The transmission apparatus as claimed

in claim 1, further comprising an interface via which the resource management information can be sent to a transaction language (TL1) which performs a facility node resource management in an STM transmission and a common management information service element and can further be sent to the customer network management agent process and the user network management system.

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9. A transmission apparatus comprising:
an ATM/user network interface which makes
a contact point with a user network management
system which handles resource management information
concerning a cell assembly and disassembly unit
which is accommodated outside of the transmission
apparatus as an external unit;

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a LAN interface which makes a contact point with another user network management system which handles resource management information concerning another cell assembly and disassembly unit which is directly accommodated in the transmission apparatus; and

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an external interface which makes a contact point with a customer network management agent process.